

# OLD Engineering Services Industry Forum

**I-285 Westside Express Lanes**  
PI 0013917, Cobb/Fulton Counties

**I-285/I-20 West Interchange**  
PI 0013918, Fulton County

**Joe Carpenter, PE**  
*Division Director of P3*

**Darryl VanMeter, PE**  
*Assist. P3 Division Director*

**Tim Matthews, PE**  
*Senior Design-Build Project Manager*

**Curtis Scott**  
*Engineering Services Acquisition Manager*

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# Disclaimer Statement

At this meeting the Department will provide information about each project's delivery goals, anticipated scope, anticipated Design-Build procurement process, and potential risks.

Participants will be encouraged to ask questions during this meeting; however, **any information provided by the Department shall be considered as informational only and is subject to change.**

# Major Mobility Investment Program – Delivering the Governor’s Promise to Georgians



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Dollar\$  
Building  
A Better  
Georgia**

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# Today's Agenda

- MMIP Overview
- Engineering Services for Office of Innovative Delivery (OID)
  - General
  - I-285 Westside Express Lanes
  - I-285/I-20 West Interchange
- Disadvantaged Business Enterprise (DBE)
- Open Discussion

# Competitive Environment

- Availability of Information
- Firewall
  - Fair
  - Communications
  - Level Field
- Transparency

# 11 MMIP Projects



**3 Major Interchange Projects**



**4 Major Express Lanes Projects**

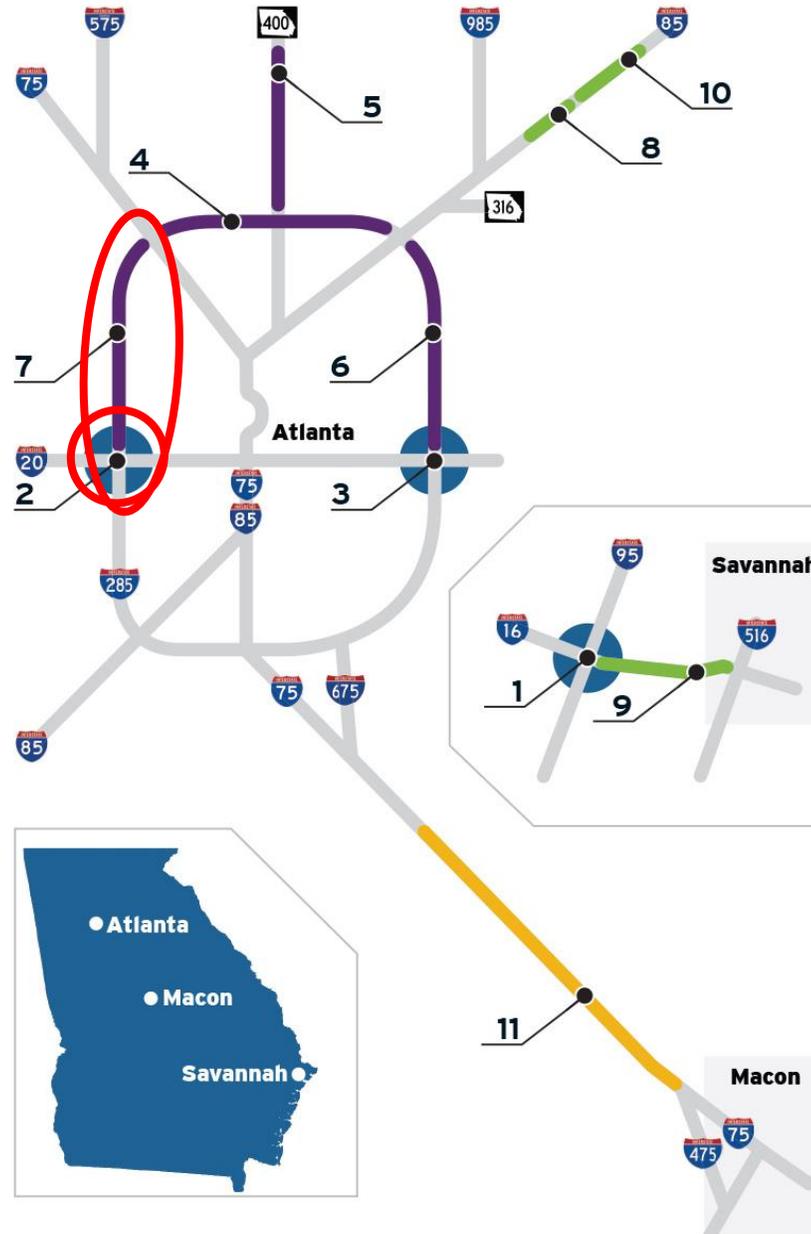


**3 Major Interstate Widening Projects**



**1 Commercial Vehicle Lanes Project**

# MMIP Projects Map



## Interchange Reconstruction:

- 1. I-16/I-95
- 2. I-285/I-20 West
- 3. I-285/I-20 East

## Express Lanes:

- 4. I-285 Top End  
I-75 to I-85
- 5. SR 400  
I-285 to McFarland Pkwy
- 6. I-285 Eastside  
I-85 to I-20
- 7. I-285 Westside  
I-20 to I-75

## Interstate Widening:

- 8. I-85 North  
Hamilton Mill Rd to SR 53
- 9. I-16  
I-95 to I-516
- 10. I-85 North  
SR 53 to US 129

## Commercial Vehicle Lanes:

- 11. I-75  
SR 155 to I-475

\* Project Limits are under review

# MMIP Schedule

## Interchange Reconstruction:

I-16/I-95

I-285/I-20 East

I-285/I-20 West

## Express Lanes:

I-285 Top End

I-75 to I-85

SR 400

I-285 to McFarland Pkwy

I-285 Eastside

I-85 to I-20

I-285 Westside

I-20 to I-75

## Interstate Widening:

I-85 North

Hamilton Mill Rd. to SR 53

I-16

I-95 to I-516

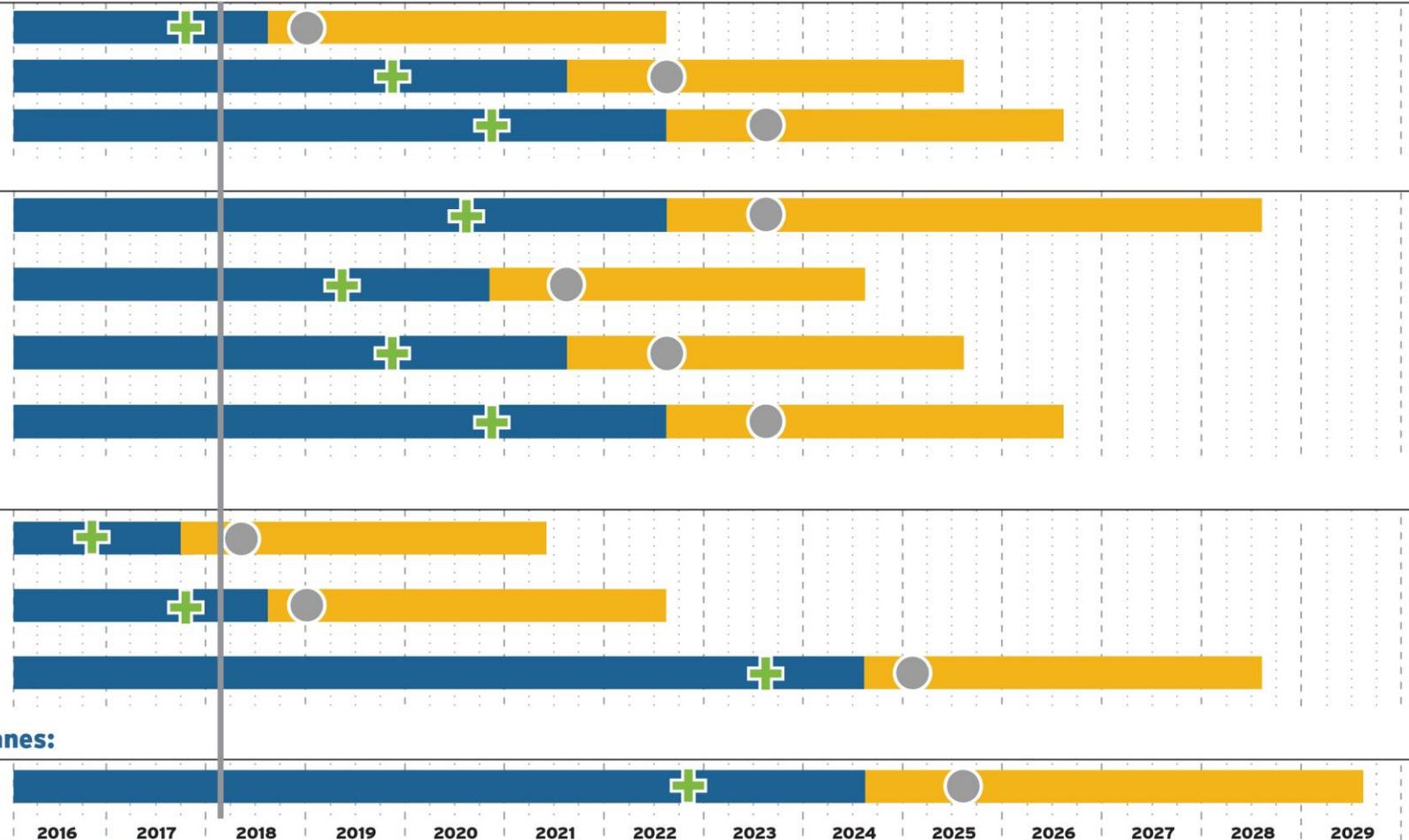
I-85 North

SR 53 to US 129

## Commercial Vehicle Lanes:

I-75

SR 155 to I-475



02/27/2018 | Dates represented are calendar years

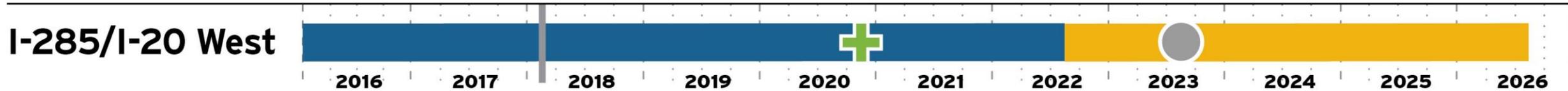
**Legend:**

- Engineering, Environmental, Design, Right-of-Way
- Final Design, Right-of-Way, Construction
- Est. Construction Start
- Developer Procurement Start

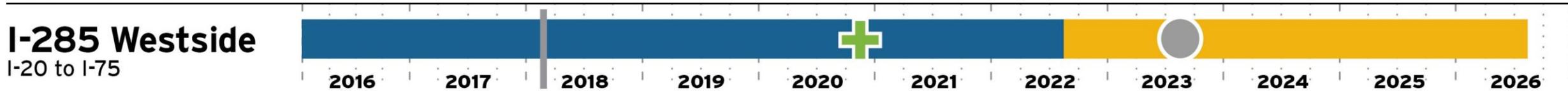
The Design-Build process compresses project schedules by overlapping activities in the design and construction phases.

# Project Schedules

## Interchange Reconstruction:



## Express Lanes:



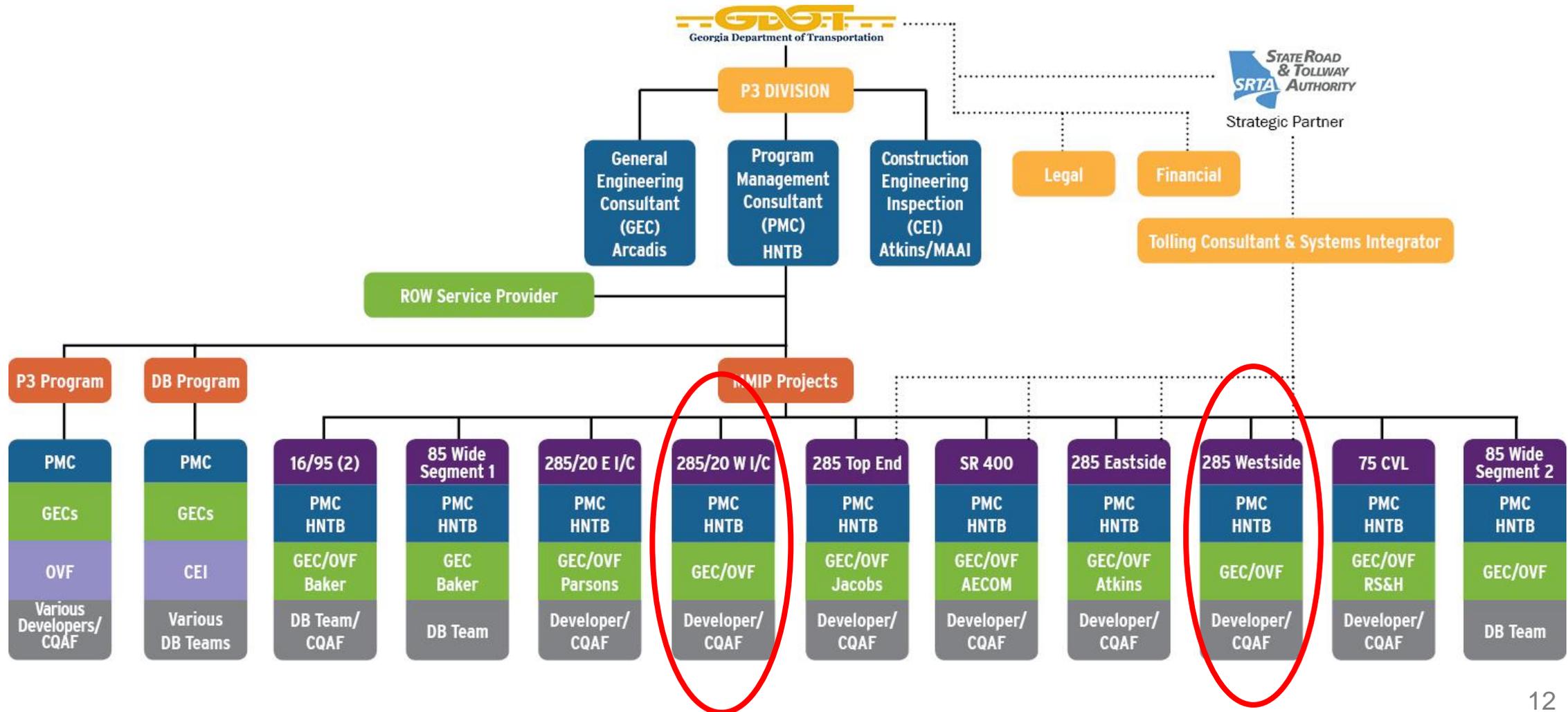
# Consultant Opportunities

	Owner's Rep			Developer Team
	Public Notice Advertisement (PNA)	Request for Qualifications (RFQ)	Awarded	Anticipated Letting
<b>Innovative Delivery</b>				
Program Management Consultant (PMC)	✓	✓	✓	N/A
Programmatic General Engineering Consultant (GEC)	✓	✓	✓	N/A
Programmatic Construction Engineering & Inspection (CEI)	✓	✓	✓	N/A
Right-of-Way Service Provider	✓	✓	February 2018	N/A
<b>Major Mobility Investment Program</b>				
I-85 Widening (Hamilton Mill to SR 53)	✓	✓	✓	✓
I-16/I-95 Interchange and Widening (Post Let)	✓	✓	✓	Summer 2018
SR 400 Express Lanes	✓	✓	✓	Fall 2020
I-285 Eastside Express Lanes	✓	✓	✓	Summer 2021
I-285/I-20 East Interchange	✓	✓	✓	Summer 2021
I-285 Westside Express Lanes	✓	April 2018	Summer 2018	Summer 2022
I-285/I-20 West Interchange	✓	April 2018	Summer 2018	Summer 2022
I-285 Top End Express Lanes	✓	✓	✓	Summer 2022
I-75 Commercial Vehicle Lanes	✓	✓	✓	Summer 2024
I-85 Widening (SR 53 to US 129)	December 2022	January 2023	Summer 2023	Summer 2024



# Engineering Services for Office of Innovative Delivery

# Program Delivery Model- PMC & GECs



# Opportunity Conflict



**GEC**

GEC prime and  
major subconsultants  
on any given project

**cannot**  
**participate**  
with a Developer  
on the same project



**Developer  
Team**

# Conflicts of Interest (General Rules)

## Programmatic PMC Role

Prime and Major Sub-Consultants **SHALL NOT** participate on GEC Teams or Developer Teams for projects within the program being overseen by the PMC.

## Programmatic and MMIP GEC Role

Prime and Major Sub-Consultants **SHALL NOT** participate on Developer Teams for projects subject to oversight by the GEC. The Prime and Major Sub-Consultants **MAY** participate on multiple GEC Teams and **MAY** also participate on Developer Teams for projects not subject to their own oversight.

# Conflicts of Interest (General Rules)

## Developer Designer & CEI

Prime and Major Sub-Consultants not conflicted as previously noted **MAY** participate on Developer Teams.

Minor Sub-Consultants' eligibility for participation at multiple levels in the program delivery model **SHALL BE** in conformance with current state guidelines.

GDOT retains the right to modify these rules at their discretion and retains ultimate authority for determining issues surrounding conflicts of interest.

**Communication is key. Make the request as early as possible.**

# Anticipated Area Classes for the Prime

## **Area Class:**

3.05 Multi-lane Urban Interstate Limited Access Design

# Anticipated Area Classes for Subconsultants

1.06(a) NEPA	3.06 Traffic Operations Studies	5.04 Aerial Photography
1.06(b) History	3.07 Traffic Operations Design	5.05 Aerial Photogrammetry
1.06(c) Air Quality	3.08 Landscape Architecture Design	5.07 Cartography
1.06(d) Noise	3.09 Traffic Control Systems Analysis, Design and Implementation	5.08 Overhead-Subsurface Utility Engineering SUE
1.06(e) Ecology	3.10 Utility Coordination	6.01(a) Soil Survey Studies
1.06(f) Archaeology	3.12 Hydraulic and Hydrological Studies (Roadway)	6.01(b) Geological and Geophysical Studies
1.06(g) Freshwater Aquatic Surveys	3.15 Highway Lighting	6.02 Bridge Foundation Studies
1.06(h) Bat Surveys	4.01(a) Minor Bridge and Miscellaneous Highway Structure	6.03 Hydraulic and Hydrologic Studies (Soils and Foundation)
1.07 Attitude, Opinion, and Community Value Studies (Public Involvement)	4.02 Major Bridge Design	6.04(a) Laboratory Materials Testing
1.09 Location Studies	4.04 Hydraulic & Hydrological Studies (Bridges)	6.04(b) Field Testing of Roadway Construction Materials
1.10 Traffic Analysis	5.01 Land Survey	6.05 Hazardous Waste Site Assessment Studies
3.02 Two-Lane or Multi-Lane Urban Roadway Design	5.02 Engineering Survey	8.01 Construction Engineering and Supervision
3.03 Multi-Lane Urban Roadway Widening and Reconstruction	5.03 Geodetic Surveying	9.01 Erosion, Sedimentation, and Pollution Control Plan
3.04 Multi-Lane Rural Interstate Limited Access Design		9.03 Field Inspections for Compliance of Erosion and Sedimentation Control Devices

# Program Management Consultant (PMC)

- Allows for Strong Owner (Georgia DOT) with Limited Staff
- Program Management, Oversight & Administration
  - Program Management
  - Oversight & Administration
  - Procurement Management
  - Program and Project Controls
  - Programmatic Studies & Analyses
  - Project Mgmt.& Administration
  - DB & P3 Procurement
  - Quality Management
  - Construction Management
  - DBE Mentoring and Program Oversight
  - Communications and Outreach
  - Mega Project Management Team(s)
  - Toll Systems Integration Coordination
  - Risk Management
  - Ability to Fill Other Roles to Backstop
- Accountability

# MMIP GEC Roles & Responsibilities

- Pre-Let

- Traffic Studies & Analyses
- Concept
- Survey Database
- Environmental/Public Involvement
- Costing Plans
- Right-of-Way Plans
- Communications
- Project Controls
- Estimating
- Phase I/II, as needed
- Drainage Studies
- P3 Procurement Support – Technical

- Post-Let

- P3 Developer Submittal Reviews
- Environmental Re-Evaluation
- Permit Reviews
- Co-Location
- Owner's Verification Firm (OVF)
- Oversight
  - Final Design and Construction
  - Quality
  - Safety
- Communications
- Project Controls

# MMIP GEC Keys To Success

- Experienced Project Manager
- Qualified Key Team Leads
- Appropriate Team Structure
- Proven Responsiveness
- Proactive Coordination
- Committed to DBE Success
- Schedule Expeditor
- Innovative Delivery Approaches
- Strategic Communications
- Public Engagement – Best Practices
- Local and National experience
- Potential O&M expertise

# MMIP GEC Key Team Leads

## Key Team Leads

- Roadway
- Structural
- Environmental
- Estimating
- Utilities
- Survey
- Traffic Operations
- Communications
- Geotechnical
- O&M (potential)
- Construction

## Owner Verification Firm (OVF) Team

- Project Resident Engineer
- Assistant Project Resident Engineer
- Roadway Project Engineer
- Bridge Project Engineer
- Materials

# Owner's Verification Firm (OVF)

- Similar approach to Northwest Corridor and I-285/SR 400 Interchange
- Oversight Inspection and Verification Sampling and Testing as per 23 CFR 637(b)
- Observe work and report significant discrepancies
- Monitor the Developer's CEI for conformance to contract
- Design Oversight
- Submittal Review



# Project Overview:

I-285 Westside Express Lanes

# I-285 Westside Express Lanes

## I-75 to I-20



### Interchange Reconstruction:

1. I-16/I-95
2. I-285/I-20 West
3. I-285/I-20 East

### Express Lanes:

4. I-285 Top End  
I-75 to I-85
5. SR 400  
I-285 to McFarland Pkwy
6. I-285 Eastside  
I-85 to I-20
7. I-285 Westside  
I-20 to I-75

### Interstate Widening:

8. I-85 North  
Hamilton Mill Rd to SR 53
9. I-16  
I-95 to I-516
10. I-85 North  
SR 53 to US 129

### Commercial Vehicle Lanes:

11. I-75  
SR 155 to I-475

# I-285 Westside Express Lanes

- Anticipate Design-Build-Finance (DBF) delivery method
- Current Scope
  - One express lane in each direction between I-20 and I-75
  - Potential two express lanes between I-75 and Raider Dr.\*
- NEPA EA Anticipated
  - NEPA scoping
  - Alternatives development & analysis
- Compressed schedule
- Project Limits and access points to be determined

# I-285 Westside Express Lanes

- **Pre-Planning Development Level**
  - Limited Information Available
- Conceptual Layouts and Feasibility Studies, will be available via TSP SharePoint site
- **Estimated Cost: \$655 million\***
- **Est. Construction Letting: Summer 2022**

\* Pre-Planning Development level cost estimate and does not include finance costs or revised project limits

# I-285 Westside Express Lanes Schedule

I-285 WESTSIDE	2018	2019	2020	2021	2022	2023	2024	2025	2026
ENVIRONMENTAL									
DESIGN-BUILD PROCUREMENT									
RIGHT OF WAY									
FINAL DESIGN									
CONSTRUCTION									

*Schedule subject to change*



# Project Overview:

I-285/I-20 West Interchange

# I-285/I-20 West Interchange



## Interchange Reconstruction:

- 1. I-16/I-95
- 2. I-285/I-20 West
- 3. I-285/I-20 East

## Express Lanes:

- 4. I-285 Top End  
I-75 to I-85
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I-285 to McFarland Pkwy
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I-85 to I-20
- 7. I-285 Westside  
I-20 to I-75

## Interstate Widening:

- 8. I-85 North  
Hamilton Mill Rd to SR 53
- 9. I-16  
I-95 to I-516
- 10. I-85 North  
SR 53 to US 129

## Commercial Vehicle Lanes:

- 11. I-75  
SR 155 to I-475



# I-285/I-20 West Interchange

- Anticipate Design-Build-Finance (DBF) delivery method
- Current Scope includes:
  - Additional lane eastbound along I-20 from Factory Shoals Rd to I-285/I-20 West Interchange.
  - New I-20 westbound CD system from I-285/I-20 through Fulton Industrial Blvd.
  - New lane along I-285 southbound from DL Hollowell Pkwy to I-285/I-20 West Interchange.
  - Reconstruction of ramps at the I-285/I-20 West Interchange to remove the left exits and improve the speed design.
- NEPA EA Anticipated
  - NEPA scoping
  - Alternatives development & analysis
- Compressed schedule

# I-285/I-20 West Interchange

- **Pre-Planning Development Level**
  - Limited Information Available
- Conceptual Layouts and Feasibility Studies, will be available via TSP SharePoint site
- **Estimated Cost:** \$790 million
- **Est. Construction Letting:** Summer 2022

\* Pre-Planning Development level cost estimate and does not include finance costs

# I-285/I-20 West Interchange Schedule

I-285/I-20 W. INTERCHANGE	2018	2019	2020	2021	2022	2023	2024	2025	2026
ENVIRONMENTAL									
DESIGN-BUILD PROCUREMENT									
FINAL DESIGN									
CONSTRUCTION									

*Schedule subject to change*

# DBE Goal and Mentoring Program

- DBE Goal
- GEC Mentoring Program
  - RFQ will require Mentoring Program implementation plan

# Anticipated Procurement Schedule

a. Georgia DOT issues Public Notice Advertisement (PNA)	<b>02/28/2018</b>	-----
<b>b. Industry Forum – Georgia DOT</b>	<b>03/16/2018</b>	<b>11:00</b>
c. One-on-One Meetings	<b>03/19/2018</b>	<b>9:00 – 4:00</b>
d. Georgia DOT issues Request for Qualifications (RFQ)	<b>04/06/2018</b>	-----
e. Statement of Qualifications due	<b>05/04/2018</b>	-----
f. Anticipated Award of GECs	<b>08/02/2018</b>	-----

Dates are tentative and subject to change. Refer to RFQ.

# Questions & Answers

**Program Information and Contract Opportunities:**  
[www.dot.ga.gov/PS/Innovative](http://www.dot.ga.gov/PS/Innovative)

# MMIP Program Information



[www.dot.ga.gov/MMIP](http://www.dot.ga.gov/MMIP)



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